SEDIMENT BASIN 039

NATIONAL COAL OF ALABAMA, INC. POPLAR SPRINGS NORTH MINE, P-3886

PLAN VIEW DRAWING SCALE: 1" = 100'

UPSTREAM TOE ELEV.: 632.2'
SEDIMENT REMOVAL ELEV.: 639.77'
PRIMARY SPILLWAY ELEV.: 641.8'
EMERGENCY SPILLWAY ELEV.: 643.6'
**MAXIMUM WATER ELEV.: 643.65'
TOP OF DAM ELEV.: 645.3' DESIGN
TOP OF DAM ELEV.: 646.0' CONSTRUCT.

PRIMARY SPILLWAY: 120' - 18" C.M. PIPE

EMERGENCY SPILLWAY: 10' WIDE TRAPEZOIDAL GRASS LINED OPEN CHANNEL

** 25 YEAR - 6 HOUR PRECIPITATION EVENT.



CONTOUR INTERVAL = 5 FEET _660-NDTE: A Clay liner is required for the pool area since the basin will be constructed in spoil material. See construction specifications in narrative and the Typical Clay Liner Drawing for specifications. FOUNDATION MATERIAL SITE DIVERSION DITCH PRIMARY SPILLWA DRIGINAL DRAINAGE PATH NORMAL POOL AREA DAM MATERIAL SITE EMERGENCY SPILLWAY -ENERGY DISSIPATER (CLASS II SANDSTONE RIPRAP) **91**A.41 BM EL. 636.72 ne: (205) 221-0686 fex: 221-7721